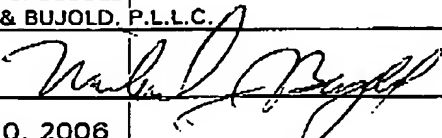
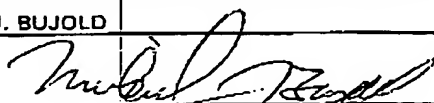


PTO/SB/21 (12-97)

Approved for use through 9/30/00. OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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|  |   |  |
|--|---|--|
| <b>TRANSMITTAL FORM</b><br><small>(to be used for all correspondence after initial filing)</small>   | Application Number  | 10/568,024   |
|  | Filing Date   | with an effective filing date of July 16, 2004   |
|  | First Named Inventor  | Muneo ISHIDA   |
|  | Group Art Unit  |  |
|  | Examiner Name   | Fax: (571) 273-8300  |
| Total No. of Pages in this Submission: 7   | Attorney Docket Number  | ADACHI P274US  |
| <b>ENCLOSURES (check all that apply)</b>   |   |  |
| <input type="checkbox"/> Fee Transmittal Form<br><input type="checkbox"/> Fee attached<br><input type="checkbox"/> Amendment/Response<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><input type="checkbox"/> Extension of Time Request (in Duplicate)<br><input type="checkbox"/> Express Abandonment Request<br><input type="checkbox"/> Information Disclosure Statement<br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><input type="checkbox"/> Response to Missing Part/s Incomplete Application<br><input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Assignment papers (for an Application)<br><input type="checkbox"/> Drawing(s)<br><input type="checkbox"/> Licensing-related Papers<br><input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition (DELETED - no longer useful)<br><input type="checkbox"/> To Convert a Provisional Petition<br><input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address<br><input type="checkbox"/> Terminal Disclaimer<br><input type="checkbox"/> Small Entity Statement<br><input type="checkbox"/> Request for Refund | <input type="checkbox"/> After Allowance Communication to Group<br><input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences<br><input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)<br><input type="checkbox"/> Proprietary Information<br><input type="checkbox"/> Status Letter<br><input checked="" type="checkbox"/> Additional Enclosure(s) (please identify below):<br>Submission of English Translation of Int'l Prelim Exam Rpt |
| REMARKS  |   |  |
| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT   |   |  |
| Firm or Individual Name  | Michael J. BUJOLD<br>DAVIS & BUJOLD, P.L.L.C.   |  |
| Signature  |    |  |
| Date   | July 10, 2006   |  |
| CERTIFICATE OF TRANSMISSION  |   |  |
| I hereby certify that this correspondence is being facsimile transmitted to the USPTO on July 10, 2006.  |   |  |
| Type or printed name   | Michael J. BUJOLD   |  |
| Signature  |    |  |
|  | Date: July 10, 2006 (lfb)   |  |

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7/10/06

PATENT APPLICATION JUL 10 2006

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of : Muneo ISHIDA  
Serial no. : 10/566,024  
Filed : with an effective filing date of July 16, 2004  
For : KEYSTROKE DEVICE OF PIANO  
Group Art Unit :  
Examiner :  
Docket : ADACHI P274US

The Commissioner for Patents  
U.S. Patent & Trademark Office  
P. O. Box 1450  
Alexandria, VA 22313-1450

SUBMISSION OF ENGLISH TRANSLATION OF  
INTERNATIONAL PRELIMINARY EXAMINATION REPORT

Dear Sir:

Enclosed please find an English translation of the International Preliminary Examination Report concerning the above-identified application. Please enter the same into the record of this case.

In the event that there are any fee deficiencies or additional fees are payable, please charge the same or credit any overpayment to our Deposit Account (Account No. 04-0213).

Respectfully submitted,



Michael J. Bujold, Reg. No. 32,018  
Customer No. 020210  
Davis & Bujold, P.L.L.C.  
112 Pleasant Street  
Concord, NH 03301-2931  
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E-mail: patent@davisandbujold.com

Best Available Copy

## PATENT COOPERATION TREATY

PCT/JP2004/010211

## PCT

NOTIFICATION OF TRANSMITTAL  
OF COPIES OF TRANSLATION  
OF THE INTERNATIONAL PRELIMINARY REPORT  
ON PATENTABILITY  
(CHAPTER I OR CHAPTER II  
OF THE PATENT COOPERATION TREATY)  
(PCT Rules 44bis.3(c) and 72.2)

From the INTERNATIONAL BUREAU

To:

ADACHI, Tsutomu  
Nagoyasenl Bldg., 7F  
Naka-ku  
Nagoya-shi, Aichi 4600003  
JAPON

9-27, Nishikido 2-chome.



Date of mailing (day/month/year)  
26 May 2006 (26.05.2006)

Applicant's or agent's file reference  
KWI-41-PCT

## IMPORTANT NOTIFICATION

International application No.  
PCT/JP2004/010211

International filing date (day/month/year)  
16 July 2004 (16.07.2004)

Applicant

KABUSHIKI KAISHA KAWAI GAKKI SEISAKUSHO et al

## 1. Transmittal of the translation to the applicant.



The International Bureau transmits herewith a copy of the English translation of the international preliminary report on patentability (Chapter I).



The International Bureau transmits herewith a copy of the English translation of the international preliminary report on patentability (Chapter II).

## 2. Transmittal of the copy of the translation to the designated or elected Offices.

The International Bureau notifies the applicant that copies of that translation have been transmitted to the following designated or elected Offices requiring such translation:

None

The following designated or elected Offices, having waived the requirement for such a transmittal at this time, will receive copies of that translation from the International Bureau only upon their request:

AE, AG, AL, AM, AP, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EA, EC, EE, EG, EP, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OA, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

## 3. Reminder regarding translation into (one of) the official language(s) of the elected Office(s).

The applicant is reminded that, where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary report on patentability (Chapter II).

It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned within the applicable time limit (Rule 74.1). See Volume II of the PCT Applicant's Guide for further details.

The International Bureau of WIPO  
34, chemin des Colombettes  
1211 Geneva 20, Switzerland

Facsimile No. +41 22 740 14 35

Authorized officer

Yoshiko Kuwahara

Facsimile No. +41 22 338 90 90

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# PATENT COOPERATION TREATY

## PCT

### INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

|  |   |   |                  |
|--|---|---|------------------|
| Applicant's or agent's file reference<br>KWI-41-PCT  | FOR FURTHER ACTION  |   | See item 4 below |
| International application No.<br>PCT/JP2004/010211   | International filing date (day/month/year)<br>16 July 2004 (16.07.2004) | Priority date (day/month/year)<br>30 July 2003 (30.07.2003) |                  |
| International Patent Classification (8th edition unless older edition indicated)<br>See relevant information in Form PCT/ISA/237 |   |   |                  |
| Applicant<br>KABUSHIKI KAISHA KAWAI GAKKI SEISAKUSHO   |   |   |                  |

|   |  |
|---|--|
| <p>1. This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).</p> <p>2. This REPORT consists of a total of 4 sheets, including this cover sheet.</p> <p>In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.</p> <p>3. This report contains indications relating to the following items:</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input checked="" type="checkbox"/> Box No. I<br/> <input type="checkbox"/> Box No. II<br/> <input type="checkbox"/> Box No. III<br/> <input type="checkbox"/> Box No. IV<br/> <input checked="" type="checkbox"/> Box No. V<br/> <input type="checkbox"/> Box No. VI<br/> <input type="checkbox"/> Box No. VII<br/> <input type="checkbox"/> Box No. VIII         </div> <div style="width: 50%;"> <p>Basis of the report</p> <p>Priority</p> <p>Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</p> <p>Lack of unity of invention</p> <p>Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</p> <p>Certain documents cited</p> <p>Certain defects in the international application</p> <p>Certain observations on the international application</p> </div> </div> <p>14. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis.2).</p> |  |
|---|--|

|  |   |
|--|---|
| <p>The International Bureau of WIPO<br/>34, chemin des Colombettes<br/>1211 Geneva 20, Switzerland</p> <p>Facsimile No. +41 22 740 14 35</p> <p>Form PCT/IB/373 (January 2004)</p> | <p>Date of issuance of this report<br/>15 May 2006 (15.05.2006)</p> <p>Authorized officer<br/><br/>Yoshiko Kuwahara</p> <p>Telephone No. +41 22 338 90 90</p> |
|--|---|

## PATENT COOPERATION TREATY

TRANSLATION

PCT

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

From the  
INTERNATIONAL SEARCHING AUTHORITY

|     |  |
|-----|--|
| To: |  |
|-----|--|

Date of mailing  
(day/month/year)

Applicant's or agent's file reference

KWI-41-PCT

FOR FURTHER ACTION

See paragraph 2 below

International application No.

PCT/JP2004/010211

International filing date (day/month/year)

16.07.2004

Priority date (day/month/year)

30.07.2003

International Patent Classification (IPC) or both national classification and IPC

Applicant

KABUSHIKI KAISHA KAWAI GAKKI SEISAKUSHO

## 1. This opinion contains indications relating to the following items:

- |                                     |              |  |
|-------------------------------------|--------------|--|
| <input checked="" type="checkbox"/> | Box No. I    | Basis of the opinion   |
| <input type="checkbox"/>            | Box No. II   | Priority   |
| <input type="checkbox"/>            | Box No. III  | Non-establishment of opinion with regard to novelty, inventive step and industrial applicability   |
| <input type="checkbox"/>            | Box No. IV   | Lack of unity of invention   |
| <input checked="" type="checkbox"/> | Box No. V    | Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability: citations and explanations supporting such statement |
| <input type="checkbox"/>            | Box No. VI   | Certain documents cited  |
| <input type="checkbox"/>            | Box No. VII  | Certain defects in the international application   |
| <input type="checkbox"/>            | Box No. VIII | Certain observations on the international application  |

## 2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

## 3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/IP

Authorized officer

Facsimile No.

Telephone No.

Form PCT/ISA/237 (cover sheet) (January 2004)

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/JP2004/010211

| Box No. I | Basis of this opinion  |
|-----------|--|
| 1.        | <p>With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.</p> <p><input type="checkbox"/> This opinion has been established on the basis of a translation from the original language into the following language _____, which is the language of a translation furnished for the purposes of international search (under Rule 12.3 and 23.1(b)).</p>  |
| 2.        | <p>With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:</p> <p>a. type of material</p> <p><input type="checkbox"/> a sequence listing</p> <p><input type="checkbox"/> table(s) related to the sequence listing</p> <p>b. format of material</p> <p><input type="checkbox"/> in written format</p> <p><input type="checkbox"/> in computer readable form</p> <p>c. time of filing/furnishing</p> <p><input type="checkbox"/> contained in the international application as filed.</p> <p><input type="checkbox"/> filed together with the international application in computer readable form.</p> <p><input type="checkbox"/> furnished subsequently to this Authority for the purposes of search.</p> |
| 3.        | <p><input type="checkbox"/> In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.</p>   |
| 4.        | <p>Additional comments:</p>  |

Form PCT/ISA/237 (Box No. 1) (January 2004)

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/JP2004/010211

| Box No. V                      | Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement   |
|--------------------------------|--|
| 1. Statement                   |  |
| Novelty (N)                    | Claims 1-4 YES<br>Claims NO  |
| Inventive step (IS)            | Claims 1-4 YES<br>Claims NO  |
| Industrial applicability (IA)  | Claims 1-4 YES<br>Claims NO  |
| 2. Citations and explanations: | <p>Document 1: 2001-159894 A (Yamaha Corp.), 12 June 2001, Full text; Figs. 1-10<br/>Document 2: 2002-162970 A (Kawai Musical Inst. Mfg. Co., Ltd.), 07 June 2002, Full text; Figs. 1-10<br/>Document 3: JP 2003-216143 A (Kawai Musical Inst. Mfg. Co., Ltd.), 30 July 2003, Full text; Figs. 1-5<br/>Document 4: Kawai-News Release 'Upright Piano "Varitouch" Hatsubai ni tsuite', [online], Heisei 15 Nen 5 Gatsu 28 Nichi, [retrieval date 03 August 2004 (03.08.04)], Internet &lt;URL: <a href="http://www.kawai.co.jp/press/release20030528.html">http://www.kawai.co.jp/press/release20030528.html</a>&gt;, full text, each image (total: three)</p> <p>The inventions of claims 1-4 are neither described in any of the documents cited in the ISR nor obvious to a person skilled in the art.</p> |

Form PCT/ISA/237 (Box No. V) (January 2004)